



1/9

SEQUENCE LISTING

<110> Abbott Laboratories
Shah, Dinesh O.
Dawson, George A.
Muerhoff, A. Scott
Jiang, Lily
Gutierrez, Robin A.
Leary, Thomas P.
Desai, Suresh
Stewart, James L.

<120> Methods For The simultaneous Detection
Of HCV Antigens And HCV Antibodies

<130> 6821.US.01

<140> 09/891,983

<141> 2001-06-26

<160> 36

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

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atagaattcc atgcagaaaa aaaacaaacg taacaccaac

40

<210> 2

<211> 46

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<213> Artificial Sequence

<220>

<223> Primer

<400> 2

cggctgagaa cggtcagagg ttttaacgat ctgaccacca cccggg

46

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 3

aaaacctctg aacgttctca gccg

24

<210> 4

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 4

tatggatcct tattacggag acagcagcca accagc

36

<210> 5

<211> 244

<212> DNA

<213> Hepatitis C Virus

<400> 5

gaattccatg	cagaaaaaaaa	acaaacgtaa	caccaaccgt	cgtccgcagg	acgttaaatt	60
cccggttggt	ggtcagatcg	ttaaaacctc	tgaacgttct	cagccgcgtg	ggcgtcgtca	120
gccgatcccg	aaagctcgtc	gtccggaagg	tcgtacctgg	gctcagccgg	gttaccctg	180
gccgctgtac	ggtaacgaag	gttgcggttg	ggcagggttg	ctgctgtctc	cgtaataagg	240
atcc						244

<210> 6

<211> 75

<212> PRT

<213> Hepatitis C Virus

<400> 6

Met	Gln	Lys	Lys	Asn	Lys	Arg	Asn	Thr	Asn	Arg	Arg	Pro	Gln	Asp	Val
1				5					10					15	
Lys	Phe	Pro	Gly	Gly	Gly	Gln	Ile	Val	Lys	Thr	Ser	Glu	Arg	Ser	Gln
			20					25					30		
Pro	Arg	Gly	Arg	Arg	Gln	Pro	Ile	Pro	Lys	Ala	Arg	Arg	Pro	Glu	Gly
		35					40					45			
Arg	Thr	Trp	Ala	Gln	Pro	Gly	Tyr	Pro	Trp	Pro	Leu	Tyr	Gly	Asn	Glu
	50					55					60				
Gly	Cys	Gly	Trp	Ala	Gly	Trp	Leu	Leu	Ser	Pro					
65					70					75					

<210> 7

<211> 280

<212> DNA

<213> Hepatitis C Virus

<400> 7

gaattccatg	cagaaaaaaaa	acaaacgtaa	caccaaccgt	cgtccgcagg	acgttaaatt	60
cccggttggt	ggtcagatcg	ttggtctgct	gccgcgtcgt	ggtccgcgtc	tgggtcgtaa	120
aacctctgaa	cgttctcagc	cgcggtggcg	tcgtcagccg	atcccgaaag	ctcgtcgtcc	180
ggaaggctcg	acctgggctc	agccgggtta	cccgtggccg	ctgtacggta	acgaagggtg	240
cggttgggct	ggttggctgc	tgtctccgta	ataaggatcc			280

<210> 8

<211> 87

<212> PRT

<213> Hepatitis C Virus

<400> 8

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Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
 1          5          10          15
Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Leu Leu Pro Arg Arg Gly
          20          25          30
Pro Arg Leu Gly Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg
          35          40          45
Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala
          50          55          60
Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp
65          70          75          80
Ala Gly Trp Leu Leu Ser Pro
          85

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<210> 9

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 9

accagacgc ggaccacgac gcggcagcag accaacgac tgaccaccac cc 52

<210> 10

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 10

ccgcgtcgtg gtccgcgtct gggtcgtaaa acctctgaac gttctcag 48

<210> 11

<211> 301

<212> DNA

<213> Hepatitis C Virus

<400> 11

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gaattccatg cagaaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt 60
cccggttggt ggtcagatcg ttggtggtgt ttacgttctg ccgcgtcgtg gtccgcgtct 120
gggtgttctg gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc 180
gatcccgaaa gtcgtcgtc cggaaggctg tacctgggct cagccgggtt acccgtggcc 240
gctgtacggt aacgaagggt gcggttgggc tgggtggctg ctgtctccgt aataaggatc 300
c 301

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<210> 12

<211> 94

<212> PRT

<213> Hepatitis C Virus

<400> 12

Met	Gln	Lys	Lys	Asn	Lys	Arg	Asn	Thr	Asn	Arg	Arg	Pro	Gln	Asp	Val
1				5					10					15	
Lys	Phe	Pro	Gly	Gly	Gly	Gln	Ile	Val	Gly	Gly	Val	Tyr	Val	Leu	Pro
			20					25					30		
Arg	Arg	Gly	Pro	Arg	Leu	Gly	Val	Leu	Ala	Thr	Arg	Lys	Thr	Ser	Glu
		35					40					45			
Arg	Ser	Gln	Pro	Arg	Gly	Arg	Arg	Gln	Pro	Ile	Pro	Lys	Ala	Arg	Arg
	50					55					60				
Pro	Glu	Gly	Arg	Thr	Trp	Ala	Gln	Pro	Gly	Tyr	Pro	Trp	Pro	Leu	Tyr
65					70					75				80	
Gly	Asn	Glu	Gly	Cys	Gly	Trp	Ala	Gly	Trp	Leu	Leu	Ser	Pro		
			85						90						

<210> 13
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 13
 acccagacgc ggaccacgac gcggcagaac gtaaacacca ccaac

45

<210> 14
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 14
 ccgcgtcgtg gtccgcgtct ggggtgttctg gctacgcgta aaacc

45

<210> 15
 <211> 300
 <212> DNA
 <213> Hepatitis C Virus

<220>
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 position 99

<400> 15	
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cccgggtggt ggtcagatcg ttggtggtgt ttacctgctn ccgcgtcgtg gtccgcgtct	120
gggtgttcgt gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc	180
gatccgaaag ctcgtcgtcc ggaaggctcg acctgggctc agccgggta cccgtggccg	240
ctgtacggta acgaagggtg cggttgggct gggtggctgc tgtctccgta ataaggatcc	300

<210> 16
 <211> 94
 <212> PRT
 <213> Hepatitis C Virus

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<400> 16
Met  Gln  Lys  Lys  Asn  Lys  Arg  Asn  Thr  Asn  Arg  Arg  Pro  Gln  Asp  Val
  1          5          10          15
Lys  Phe  Pro  Gly  Gly  Gly  Gln  Ile  Val  Gly  Gly  Val  Tyr  Leu  Leu  Pro
          20          25          30
Arg  Arg  Gly  Pro  Arg  Leu  Gly  Val  Arg  Ala  Thr  Arg  Lys  Thr  Ser  Glu
          35          40          45
Arg  Ser  Gln  Pro  Arg  Gly  Arg  Arg  Gln  Pro  Ile  Pro  Lys  Ala  Arg  Arg
  50          55          60
Pro  Glu  Gly  Arg  Thr  Trp  Ala  Gln  Pro  Gly  Tyr  Pro  Trp  Pro  Leu  Tyr
65          70          75          80
Gly  Asn  Glu  Gly  Cys  Gly  Trp  Ala  Gly  Trp  Leu  Leu  Ser  Pro
          85          90

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<210> 17
<211> 18
<212> DNA
<213> Artificial Sequence
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<220>
<223> Primer

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<400> 17
gatcgctcga attcctcg
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18

```
<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence
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<220>
<223> Primer

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<400> 18
ttctagcgag cttaaggagc
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20

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<210> 19
<211> 18
<212> PRT
<213> Hepatitis C Virus
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```
<400> 19
Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
  1             5             10             15
Arg Arg
```

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<210> 20
<211> 18
<212> PRT
<213> Hepatitis C Virus
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```
<400> 20
Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly
 1             5             10             15
Gly Gly
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<210> 21
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 21
 Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu
 1 5 10 15
 Leu Pro

<210> 22
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 22
 Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val
 1 5 10 15
 Arg Ala

<210> 23
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 23
 Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu Arg Ser
 1 5 10 15
 Gln Pro

<210> 24
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 24
 Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro
 1 5 10 15
 Lys Ala

<210> 25
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 25
 Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp
 1 5 10 15
 Ala Gln

<210> 26
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 26
 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
 1 5 10 15
 Gly Asn

<210> 27
 <211> 19
 <212> PRT
 <213> Hepatitis C Virus

<400> 27
 Gln Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly
 1 5 10 15
 Trp Leu Leu

<210> 28
 <211> 17
 <212> PRT
 <213> Hepatitis C Virus

<400> 28
 Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser
 1 5 10 15
 Trp

<210> 29
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 29
 Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp
 1 5 10 15
 Pro Arg Arg Arg Ser Arg Asn Leu Gly
 20 25

<210> 30
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 30
 Ser Trp Gly Pro Thr Asp Pro Arg Arg Arg Ser Arg Asn Leu Gly Lys
 1 5 10 15
 Val Ile Asp Thr Leu Thr Cys Gly Phe
 20 25

<210> 31
 <211> 25

<212> PRT

<213> Hepatitis C Virus

<400> 31

Ser	Arg	Asn	Leu	Gly	Lys	Val	Ile	Asp	Thr	Leu	Thr	Cys	Gly	Phe	Ala
1				5					10					15	
Asp	Leu	Met	Gly	Tyr	Ile	Pro	Leu	Val							
			20					25							

<210> 32

<211> 25

<212> PRT

<213> Hepatitis C Virus

<400> 32

Leu	Thr	Cys	Gly	Phe	Ala	Asp	Leu	Met	Gly	Tyr	Ile	Pro	Leu	Val	Gly
1				5					10					15	
Ala	Pro	Leu	Gly	Gly	Ala	Ala	Arg	Ala							
			20					25							

<210> 33

<211> 25

<212> PRT

<213> Hepatitis C Virus

<400> 33

Tyr	Ile	Pro	Leu	Val	Gly	Ala	Pro	Leu	Gly	Gly	Ala	Ala	Arg	Ala	Leu
1				5					10					15	
Ala	His	Gly	Val	Arg	Val	Leu	Glu	Asp							
			20					25							

<210> 34

<211> 25

<212> PRT

<213> Hepatitis C Virus

<400> 34

Gly	Ala	Ala	Arg	Ala	Leu	Ala	His	Gly	Val	Arg	Val	Leu	Glu	Asp	Gly
1				5					10					15	
Val	Asn	Tyr	Ala	Thr	Gly	Asn	Leu	Pro							
			20					25							

<210> 35

<211> 23

<212> PRT

<213> Hepatitis C Virus

<400> 35

Leu	Glu	Asp	Gly	Val	Asn	Tyr	Ala	Thr	Gly	Asn	Leu	Pro	Gly	Cys	Ser
1				5					10					15	
Phe	Ser	Ile	Phe	Leu	Leu	Ala									
			20												

<210> 36

<211> 23

<212> PRT

<213> Hepatitis C Virus

Leu Pro Gly Cys Ser Phe Ser Ile Phe Leu Leu Ala Leu Leu Ser Cys
1 5 10 15
Leu Thr Val Pro Ala Ser Ala
20

Leu Pro Gly Cys Ser Phe Ser Ile Phe Leu Leu Ala Leu Leu Ser Cys
1 5 10 15

Leu Thr Val Pro Ala Ser Ala
20